

1 Supplementary table 1. Principal component analysis. Loadings in men and women indicate the contribution of each variable (GU=glucose
 2 uptake) to principal components (PC1, PC2).

Model 1	Men		Women		All	
	PC1	PC2	PC1	PC2	PC1	PC2
GU(µmol/kg tissue/min)						
Age (years)	-0.316	-	0.568	-	0.093	0.677
Body mass index (kg/m ²)	-0.857	-	-0.890	-	-0.874	0.079
Gender	-	-	-	-	-0.091	0.850
Skeletal muscle GU	0.779	-	0.751	-	0.814	-0.004
Intraperitoneal adipose	0.661	-	0.795	-	0.652	0.472
tissue GU						
Variance explained	47%	-	58%	-	37%	28%
Model 2						
Age (years)	-0.070	0.919	0.151	0.864	0.271	0.574
Body mass index (kg/m ²)	-0.847	0.021	-0.770	-0.398	-0.881	0.024
Gender	-	-	-	-	-0.195	0.857
Skeletal muscle GU	0.806	-0.183	0.868	0.002	0.768	0.059
Intraperitoneal adipose	0.526	0.419	0.800	0.208	0.519	0.561
tissue GU						

Liver GU	0.535	0.281	0.154	0.799	0.497	0.307
Variance explained	39%	23%	41%	32%	33%	25%

3